



Building Materials & Small Parts

What, How & When to Use



3 Basic Building Materials:

- ▣ Wood
- ▣ Aluminum
- ▣ Polycarbonate



WOOOOOOOOOOOOO DDDDD

- Is made from Trees
- Is brown
- Catches fire easily



Wood Pro's & Cons

- Good stuff:
 - Easily to manufacture
 - Cheap
 - Easy to mount stuff on it
- Bad stuff:
 - Heavy
 - Ugly
 - Cumbersome



Aluminum Pro's & Con's

- ⚙ Good Stuff:
 - Light weight
 - Strong
 - Good Manufacturability
 - Multiple Uses
- ⚙ Bad Stuff
 - Malleable
 - Difficult to fasten



Polycarbonate Pro's & Con's

- ⚙ Good Stuff:
 - Best substance ever
 - Malleable
 - Strong
 - Easily put together
 - pretty
- ⚙ Bad Stuff
 - Scratches Easily
 - Difficult to Procure
 - Difficult to Manufacture



Small Parts

- Order the Catalogue NOW!!!!!! (no, not tomorrow, next week, or next month. Now!) ? www.smallparts.com
- Memorize the catalogue!!!!!!
- How has the team used it in the past?
- Small Parts is your best friend☺



Small Parts Examples:

- | | |
|-------------------|----------------------|
| • Hinges | • Gears |
| • Nylon Thread | • Polycarbonate Rod |
| • Aluminum Stock | • Pins |
| • Ball Bearings | • Pulleys |
| • Spacers | • Various metal Rods |
| • Bushings | • Shrink Tubing |
| • Connectors | • Springs |
| • Tread Materials | • Tubing |